

# Cytokinin oxidase inhibitors for shoot regeneration on leaf explants of *Melia volkensii* Gürke

Nandini Bhogar S\*, Stefaan P. O. Werbrouck

*Department of Applied Biosciences, Faculty of Bioscience Engineering, Ghent University, V. Vaerwyckweg 1, BE-9000 Ghent, Belgium*

*Leaf explants of the hardwood tree *Melia volkensii* were used to test the hypothesis that two cytokinin dehydrogenase inhibitors, Incyde-CI and incyde-F, would protect the exogenous supplied 2iP and tZ from oxidation and consequently enhance their shoot inducing activity in vitro. Both compounds not only showed a strong autonomous shoot induction capacity but didn't act synergistically with exogenous 2iP or tZ. Surprisingly the incydes could awaken meristems in the secondary leaf axils.*